BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

SCHEDULE - B

Improvements to roads and drains at Balaji Layout, Krishnanagara, Poojamahalakshmi Layout, Chamundi Layout and Surrounding area in Ward No.05 (Jakkur)

SNo	Quantity	Item Name	Unit	Approved Rates of Sri. G Jayaram	
				In figures	In words
1	4237.20	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	116.28	Rupees One Hundred Sixteen And Paise Twenty Eight Only
2	2038.92	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications 10km lead= 57+2.0x1.28x8=77.48	Cum	225.78	Rupees Two Hundred Twenty Five And Paise Seventy Eight Only
3	94.50	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	5723.00	Rupees Five Thousand Seven Hundred Twenty Three Only
4	640.69	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13,I No-4.6,KPWD SR 2018-19)	Cum	6023.70	Rupees Six Thousand Twenty Three And Paise Seventy Only
5	4516.72	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. - do - with solid concrete blocks of size 400x150x200mm(I No-5.26.2,P No-27,KPWD SR 2018-19)	Sqm	1028.20	Rupees One Thousand Twenty Eight And Paise Twenty Only
6	5778.00	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	2444.40	Rupees Two Thousand Four Hundred Forty Four And Paise Forty Only
7	264.60	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 cement mortar 1:6 KBS 5.1.13 (I No-5.6,P No-25,KPWD SR 2018-19)	Cum	5141.00	Rupees Five Thousand One Hundred Forty One Only

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8	472.50	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Sqm	5723.00	Rupees Five Thousand Seven Hundred Twenty Three Only
9	14263.00	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (I No-5.30,P No-27,KPWD SR 2018-19)	Nos	455.90	Rupees Four Hundred Fifty Five And Paise Ninety Only
10	2247.00	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (I No-24.1,P No-180,KPWD SR 2018-19)	Sqm	89.24	Rupees Eighty Nine And Paise Twenty Four Only
11	1779.75	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143)	Cum	66.86	Rupees Sixty Six And Paise Eighty Six Only
12	5932.50	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. (I No-19.64,P No-147,KPWD SR 2018-19)	Sqm	6.69	Rupees Six And Paise Sixty Nine Only
13	889.87	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.(I No-20.5,P No-153,KPWD SR 2018-19)	Cum	2131.80	Rupees Two Thousand One Hundred Thirty One And Paise Eighty Only
14	1334.81	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	cum	2097.89	Rupees Two Thousand Ninety Seven And Paise Eighty Nine Only
15	5932.50	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)	Sqm	31.01	Rupees Thirty One And Paise One Only

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16	5932.50	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)	Sqm	12.60	Rupees Twelve And Paise Sixty Only
17	296.62	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)	Cum	6705.48	Rupees Six Thousand Seven Hundred Five And Paise Forty Eight Only
18	237.30	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	7887.66	Rupees Seven Thousand Eight Hundred Eighty Seven And Paise Sixty Six Only
19	235.00	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)	Sqm	474.81	Rupees Four Hundred Seventy Four And Paise Eighty One Only
20		GST @ 12%			

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